

# Flat Media



Class 1 Flat Cable



Class 2 Flat Cable



Auxiliary Power Flat Cable

## Features

- Physical key to ensure proper connection alignment
- Sized to fit inside 1in conduit
- TPE or PVC jacket material
- UL recognized and CSA certified

## Specifications

<b>Cable</b>	4-conductor unshielded
<b>Cable Rating</b>	CL1: KwikLink DeviceNet trunk cable 4C16, UL TC 600V 75C west sunlight resistant, cUL FT4 CL2: KwikLink DeviceNet trunk cable 4C16, UL CL2 75C, CSA AWM I/II A/B 80C 300V FT4 Auxiliary Power: 4C16, UL TC 600V 75C wet sunlight resistant, cUL Type CIC TPE FT4
<b>Agency Approvals</b>	UL listed and CSA certified
<b>Operating Temperature—C (F)</b>	-25...+75° (-13...+167°)

## Description

**Class 1 (CL1) Cable:** Per NEC specifications for a Class 1 circuit (see NEC Article 725), the power source must have a rated output of less than 30V and 1000V A. So, based on the size of the flat cable conductors, the maximum current through the network must be no more than 8 A. For applications requiring 8A in the field, a Class 1 rated flat cable is available.

Allen-Bradley Class 1 KwikLink cable is UL listed for 600V and 8 A at 24V DC. For optimal chemical resilience and superior protection in harsh environments, KwikLink Class 1 cable also features a TPE jacket. Maximum toughness with excellent flexibility.

**Class 2 (CL2) Cable:** For less demanding applications at lower currents, Allen-Bradley offers a PVC-jacketed Class 2 cable. More flexible than the CL 1 cable, this design

adheres to NEC Article 725, which states that for a Class 2 circuit, the power source must have a rated output of less than 30V and 100V A. In the case of DeviceNet, running at 24V, the maximum allowable current is then 100V A/24V or 4 A. Therefore, KwikLink CL 2 cable is rated to 4 A at 24V DC. This cable can be used with all flat cable connectors.

**Auxiliary Power Cable (CL1):** In some cases, it may be desirable to run an auxiliary bus to power outputs, i.e. valves, actuators, indicators. To support such an application, Allen-Bradley provides a black PVC power cable for use with KwikLink connectors. KwikLink power cable is a Class 1 cable capable of supplying 24V of output power with currents up to 8 A. This cable can be used with all flat cable connectors.

## Product Selection

Dimensions—mm (in)	Rating	Use	Jacket Material	Color	Cat. No.		
					75 m Spool	200 m Spool	420 m Spool
	24V DC 8 A (Class 1)	DeviceNet Trunk	TPE	Grey	1485C-P1E75	1485C-P1E200	1485C-P1E420
	24V DC 4 A (Class 2)		PVC	Light Grey	1485C-P1G75	1485C-P1G200	1485C-P1G420
	24V DC 8 A (Class 1)	Aux Power Trunk	PVC	Black	1485C-P1L75	1485C-P1L200	1485C-P1L420